

IN THE SPECIFICATION

Please amend the Specification, as represented by the *Literal English Translation* of P.C.T. Application No. PCT/DE2005/000184, as follows:

Page 1, between lines 3 – 4 (immediately beneath the Title of the Invention), insert the following headings:

BACKGROUND OF THE INVENTION

Technical Field of the Invention

Page 1, lines 4 – 15, rewrite this paragraph as follows:

The invention relates to an ~~appliance~~ apparatus for determining the impedance (Z_{aw}) of the respiratory tract by measuring the alternating pressure (dp) in the region of the mouth of a patient after producing an oscillating air pressure signal. ~~Said appliance consists of~~ The apparatus comprises a mouthpiece, an electroacoustic transducer provided with a mechanical oscillation system for generating the oscillating air pressure signal, a tube for connecting the electroacoustic transducer to the mouthpiece, a reference resistance for determining the reference impedance (Z_{ref}), and a computing device for calculating the impedance (Z_{aw}) of the respiratory tract on the basis of the reference impedance (Z_{ref}) of the reference resistance, the total impedance (Z_{ges}), and the total phase angle (φ).

Page 3, between lines 9 – 10, insert the following heading:

Description of the Prior Art

Page 5, between lines 10 – 11, insert the following heading:

SUMMARY OF THE INVENTION

Page 5, lines 11 – 18, rewrite this paragraph as follows:

The object of the invention ~~consists in~~ concerns the determination of the respiratory tract impedance Z_{aw} or Z_{res} of a patient by precise measurement of the total impedance and of the associated phase angle by means of an appliance that is equipped with only one mechanical oscillation system. Herein, detection of the deflection, caused by the patient, of the mechanical oscillation system is intended to be contactless, so that the oscillation system is not disturbed by the measurement.

Page 6, between lines 8 – 9, insert the following heading:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Page 6, lines 9 – 19, rewrite this paragraph as follows:

The gist of the invention ~~consists in~~ is the fact that the alternating pressure (dp) caused by the patient's respiration acts on the mechanical oscillation system of the electroacoustic sound transducer, which serves as loudspeaker and microphone. The mechanical oscillation system, which serves as impulse (loudspeaker) and generates the volume flow dV/dt , is also subject to the pressure fluctuations (dp) caused by the patient's breathing. To register this superimposed pressure fluctuations, the deflections of the mechanical oscillation system are measured. Based on this measurement, the effective volume flow dV/dt required for the resistance calculation can be directly determined as a function of the diaphragm movement.

Page 9, between lines 25 – 26, insert the following heading:

BRIEF DESCRIPTION OF THE DRAWING FIGURES

Page 9, between lines 28 – 29, insert the following heading:

DETAILED DESCRIPTION OF THE DRAWING FIGURES